

IN THE CLAIMS:

1-3 (withdrawn)

4. (re-presented and amended) A polynucleotide encoding ~~the~~ a polypeptide according to ~~any one of the claims 1 to 3~~ selected from:

(a) a polypeptide comprising a CR-50 antibody recognition site of Reelin protein,
and not containing an F-spondin domain or a repeat site, wherein the polypeptide is derived from
a mouse Reelin polypeptide;

(b) a polypeptide comprising an amino acid sequence shown in SEQ ID NO:2,
and not containing an F-spondin domain or a repeat site; and

(c) the polypeptide of (a) or (b) comprising a deletion, substitution, or addition of
one or more amino acid;

(d) a polypeptide encoded by a degenerative nucleic acid sequence of the
polypeptides of any of (a) to (c); and

wherein the polypeptide binds to antibody CR-50.

5. (amended) A polynucleotide selected from the group consisting of:

(a) a polynucleotide comprising the nucleotide sequence shown in SEQ ID NO: 1 and
not containing a nucleotide sequence encoding an F-spondin domain or a repeat domain, wherein
the polynucleotide encodes a polypeptide that binds a CR-50 antibody;

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(b) a polynucleotide encoding a polypeptide capable of binding to a CR-50 antibody, ~~which wherein the polynucleotide~~ comprises deletion, substitution, or addition of one or more nucleotides in the nucleotide sequence shown in SEQ ID NO: 1, and wherein the encoded polypeptide does not contain an F-spondin domain or a repeat site; and

(c) a polynucleotide comprising a degenerate nucleotide sequence of the polynucleotide polypeptide of (a) or (b).

6. (original) An expression vector comprising the polynucleotide according to claim 4 or 5.

7. (original) A host cell transfected with the expression vector according to claim 6.

8. (amended) A method for producing ~~the a polypeptide according to any one of claims 1 to 3~~, which comprises culturing the host cell according to claim 7.

9. (withdrawn)

10. (amended) A composition for stimulating the assembly of Reelin protein molecules, which comprises ~~the polypeptide according to any one of claims 1 to 3 or the polynucleotide~~ according to claim 4 or 5.

11. A pharmaceutical composition for diagnosis and/or treatment of diseases resulting from abnormally positioned neurons, which comprises ~~the polypeptide according to any one of claims 1 to 3 or the polynucleotide~~ according to claim 4 or 5.

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